

EUROPEAN PATENT OFFICE

D16

Patent Abstracts of Japan

PUBLICATION NUMBER : 03156803
 PUBLICATION DATE : 04-07-91

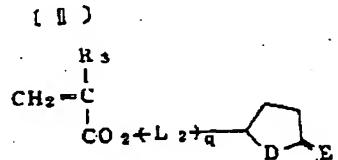
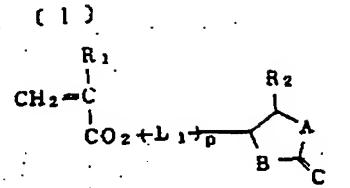
APPLICATION DATE : 15-11-89
 APPLICATION NUMBER : 01296605

APPLICANT : FUJI PHOTO FILM CO LTD;

INVENTOR : KUBOTA TADAHIKO;

INT.CL. : H01B 1/12 C08F 2/44 C08F 20/26
 C08F 20/38 C08L 33/04 H01M 6/18
 H01M 10/40

TITLE : HIGH POLYMER SOLID
 ELECTROLYTE



ABSTRACT : PURPOSE: To obtain a good ion conductivity and a preferably film forming property by polymerizing monomer of a specified composition with ion conductive solvent where salt of metal ions belonging to group Ia or IIa of the periodic table is dissolved, and forming high polymer matrix.

CONSTITUTION: For high polymer solid electrolyte, monomer expressed by an equation I or monomer expressed by an expression II is combined with ion conductive solvent where salt of metal ions belonging to group Ia or IIa of the periodic table for forming high polymer matrix. In the equations, A-E denote oxygen atoms or sulfur atoms respectively. R₁, R₃ denotes hydrogen atoms or low grade alkyl group respectively, and R₂ denote hydrogen atoms, low grade alkyl group, or low grade alkoxy group. L₁, L₂ denotes bivalent coupling groups. (p), (q) denotes 0 or 1. High polymer solid electrolyte having a good ion conductivity and a preferable film formation property can thus be obtained.

COPYRIGHT: (C)1991,JPO&Japio